

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently Amended) A two-part disinfecting system comprising a first part and a second part adapted to be mixed to yield an aqueous acidic disinfecting composition, wherein the first part comprises an alkaline aqueous chlorite and a salt of sulfamic acid and the second part comprises an aqueous acid and an oxidizable colorant, wherein the oxidizable colorant consists of a drug and cosmetic colorant, an externally applied drug and cosmetic colorant, a food, drug, and cosmetic colorant or mixtures thereof, and wherein the system is substantially free of nonoxidizable colorants, and further wherein the system minimizes the production of chlorine dioxide formation as compared to if the ~~nitrogenous stabilizer~~ salt of sulfamic acid were absent.
2. (Previously presented) The system of claim 1 wherein the salt of sulfamic acid has a Reduced Chlorite Demand Factor of 2 or greater.
3. (Previously presented) The system of claim 1 wherein the salt of sulfamic acid has a Reduced Chlorite Demand Factor of 3 or greater.
4. (Previously presented) The system of claim 1 wherein the salt of sulfamic acid has a Reduced Chlorite Demand Factor of 4 or greater.
5. (Canceled)
6. (Canceled)
7. (Previously presented) The system of claim 1 wherein the salt of sulfamic acid is present within the disinfecting composition at a concentration ranging from about 0.001% to about 20% by weight.

8. (Previously presented) The system of claim 1 wherein the salt of sulfamic acid is present at a concentration ranging from about 0.05% to about 10% by weight.

9. (Previously presented) The system of claim 1 wherein the salt of sulfamic acid is present within the disinfecting composition at a concentration ranging from about 0.1% to about 5% by weight.

10. (Previously presented) The system of claim 1 wherein the chlorite is a metal chlorite.

11. (Previously presented) The system of claim 10 wherein the metal chlorite is an alkali or alkaline earth metal chlorite.

12. (Previously presented) The system of claim 10 wherein the metal chlorite is sodium chlorite or potassium chlorite.

13. (Previously presented) The system of claim 10 wherein the metal chlorite is sodium chlorite.

14. (Previously presented) The system of claim 1 wherein the chlorite is present in the first part in an amount such that, when combined with the second part, it is present within the disinfecting composition at a concentration ranging from about 0.005% to about 3% by weight.

15. (Previously presented) The system of claim 1 wherein the chlorite is present in the first part in an amount such that, when combined with the second part, it is present within the disinfecting composition at a concentration ranging from 0.05% to 0.5% by weight.

16. (Previously presented) The system of claim 1 wherein the chlorite is present in the first part in an amount such that, when combined with the second part, it is present within the disinfecting composition at an concentration ranging from 0.1% to 0.4% by weight.

17. (Cancelled)
18. (Previously presented) The system of claim 1 wherein the acid is an organic acid.
19. (Previously presented) The system of claim 18 wherein the organic acid is glycolic acid, lactic acid, malic acid, mandelic acid, citric acid, tartaric acid, adipic acid, succinic acid, malonic acid, heptanoic acid, octanoic acid, nonanoic acid, benzoic acid, salicylic acid, gluconic acid, or a mixture thereof.
20. (Withdrawn) The system of claim 1 wherein the acid is an inorganic acid.
21. (Withdrawn) The system of claim 20 wherein the inorganic acid is sulfuric acid, sodium bisulfate, phosphoric acid, hydrochloric acid, nitric acid, or a mixture thereof.
22. (Withdrawn) The system of claim 1 wherein the acid is a mixture of an organic acid and an inorganic acid.
23. (Previously presented) The system of claim 1 wherein the acid is present in an amount such that, when combined with the first part, it is present within the disinfecting composition at a concentration ranging from about 0.1% to about 10% by weight.
24. (Previously presented) The system of claim 1 wherein the acid is present in an amount such that, when combined with the first part, it is present within the disinfecting composition at a concentration ranging from 0.5% to 5.0% by weight.
25. (Previously presented) The system of claim 1 wherein the acid is present in an amount such that, when combined with the first part, it is present within the disinfecting composition at an concentration ranging from 1.0% to 3.0% by weight.

26. (Previously presented) The system of claim 1 wherein the acid is present in an amount such that, when combined with the first part, the pH of the disinfecting composition is below 5.

27. (Previously presented) The system of claim 1 wherein the acid is present in an amount such that, when combined with the first part, the pH of the disinfecting composition ranges from 1.5 to 5.

28. (Previously presented) The system of claim 1 wherein the acid is present in an amount such that, when combined with the first part, the pH of the disinfecting composition ranges from 2.3 to 3.5

29-32. (Cancelled)

33. (Previously Presented) The system of claim 1 wherein the first part and the second part are adapted to be combined in equal volumes.

34. (Cancelled)

35. (Cancelled)

36. (Previously Presented) The system of claim 1 wherein the first part, the second part, or both the first and second parts further comprise a textural modifier, wetting agent, thickening agent, skin conditioner, healing agent, film-forming polymer, surfactant, preservative, or a mixture thereof.

37. (Previously Presented) A disinfecting composition formed by combining the first part and the second part of the two-part disinfecting system of claim 1.

38. (Withdrawn) A method for making a disinfecting composition comprising combining the first part and the second part of the two-part disinfecting system of claim 1.

39. (Withdrawn) The method of claim 38 wherein both the first part and the second part are in the form of an aqueous solution, emulsion, microemulsion, cream or gel.

40. (Withdrawn) The method of claim 38 wherein at least one of the first part or second part is in a non-aqueous or solid form, or is adapted to be diluted by or dissolved in water prior to combination of the first part and the second part.

41. (Withdrawn) The method of claim 40 wherein the non-aqueous or solid form is first diluted with or dissolved in water prior to contact with the other part.

42. (Withdrawn) A method for disinfecting a substrate comprising contacting the substrate with an effective amount of a disinfecting composition formed by mixing the two-part disinfecting system of claim 1.

43. (Withdrawn) The method of claim 42 wherein the substrate is skin or tissue of a warm-blooded animal.

44. (Withdrawn) The method of claim 42 wherein the substrate is a teat of a dairy cow, goat or sheep.

45. (Withdrawn) The method of claim 42 wherein the substrate is a hard surface.

46. (Withdrawn) The method of claim 42 wherein the substrate is a food surface or a surface in contact with food.

47. (Withdrawn) The method of claim 42 wherein the substrate is processing water.

48. (Withdrawn) The method of claim 42 wherein the substrate is cooling tower water.

49. (Previously presented) The system of claim 1 wherein the salt of sulfamic acid is comprised of sulfamic acid or methysulfamic acid or combinations thereof.